

EXHIBIT 1

Gene # in Figure 5	Round 4-gene # (CP4#) in Tab. 2 & Fig. 6	Gene	SEQ ID NO Original DNA Gene Fragment	SEQ ID NO Polypeptide Fragment	SEQ ID NO Full-length DNA Gene	SEQ ID NO Full-length Polypeptide
1	CP4 #1	<i>dnaX2</i> (DNA polymerase)	6	7	8	9
2	CP4 #2	<i>gatC</i> (Glu-tRNA Gln amido-transferase, C subunit)	10	11	12	13
3	CP4 #3	<i>gatA</i> (Glu-tRNA Gln amido-transferase, A subunit)	14	15	16	17*
4	CP4 #4	<i>omp90A</i> (outer membrane protein 5)	20	21	22	23
5	CP4 #5	<i>pbp3</i> (transglycolase/trans-peptidase)	24	25	26	27
6	CP4 #6	<i>secA2</i> (protein translocase)	28	29	32	33
7	CP4 #7	Cpn 0278 (outer membrane lipoprotein)	34	35	36	37
8	CP4 #8	<i>pepF</i> (oligopeptidase)	38	39	40	41
9	CP4 #9	Cpn 0708 (hypothetical protein, co-translationally coupled to <i>yscN</i> , YopN-type flagellar ATPase)	42	43	44	45**
10	CP4 #10	<i>pmp2</i> (outer membrane protein G)	48	49	52	53
11	CP4 #11	<i>pmp2</i> (outer membrane protein G)	50	51	52	53
12	CP4 #12	<i>omp 98</i> KD (outer membrane protein)	54	55	56	57
13	CP4 #13	<i>secA2</i> (protein translocase)	30	31	32	33
14	CP4 #14	<i>sdhC</i> (succinate dehydrogenase)	58	59	60	61

* *gatB* full-length gene sequence claimed as DNA and polypeptide sequence ID NO: 18 & 19

** *yscN* full-length gene sequence claimed as DNA and polypeptide sequence ID NO: 46 & 47